HYUNDAI Technical Service Bulletin

Group	**CAMPAIGN**
Number	08-01-030
Subject	**CAMPAIGN T72 - ECM UPDATE FOR DTC P0300**
Date	DECEMBER, 2008
Model	**2007 ACCENT (MC)**

CIRCULATE TO:	**[ ]** GENERAL MANAGER	**[X]** PARTS MANAGER	**[X]** TECHNICIAN
[X] SERVICE ADVISOR	**[X]** SERVICE MANAGER	**[X]** WARRANTY MGR	**[ ]** SALES MANAGER

IMPORTANT: DEALERS MUST PERFORM THIS CAMPAIGN ON ALL AFFECTED VEHICLES WHENEVER AN AFFECTED VEHICLE IS IN THE SHOP FOR ANY MAINTENANCE OR REPAIR.

IMPORTANT: WHEN A VEHICLE ARRIVES AT THE SERVICE DEPARTMENT, ACCESS HYUNDAI MOTOR AMERICA'S "WARRANTY VEHICLE INFORMATION" SCREEN VIA DCS ON-LINE/WEBDCS TO IDENTIFY OPEN CAMPAIGNS.

DESCRIPTION:

This bulletin provides the procedure to update the Engine software to address 2007 ACCENT (MC) 1.6L vehicles which may experience rough idling during the initial cold start-up period and illluminate the Malfunction Indicator Lamp (MIL) with DTC P0300.

APPLICABLE VEHICLES:

- Model: 2007 ACCENT (MC) vehicles with 1.6L gasoline engines
- Applicable vehicle production date range: From April 7, 2006 to June 15, 2007
- VIN Range : KMHCM36C17U000303 ~ KMHCN46C87U166577

NOTE: To verify the vehicle is affected, be sure to check the version of the vehicle's control unit ROM ID with reference to the ROM ID Information Table mentioned below before attempting to update the control unit software.

ROM ID INFORMATION TABLE:

TRANSAXLE	ECM P/N	ROM ID	
		PREVIOUS	NEW
M/T	39111-26BE0	GMC-7N6CES0-5000 GMC-7N6CES1-5000 GMC-7N6CES2-5000 GMC-7N6CES3-5000 GMC-7N6CES4-5000 GMC-7N6CES5-5000 GMC-7N6CES6-5000	GMC-7N6CES7-5000
A/T	39111-26BE5	GMC-7N6CPS0-A000 GMC-7N6CPS1-A000 GMC-7N6CPS2-A000 GMC-7N6CPS3-A000 GMC-7N6CPS4-A000 GMC-7N6CPS5-A000 GMC-7N6CPS6-A000	GMC-7N6CPS7-A000

SERVICE PROCEDURE:

CAUTIONS DURING CONTROL UNIT UPDATE

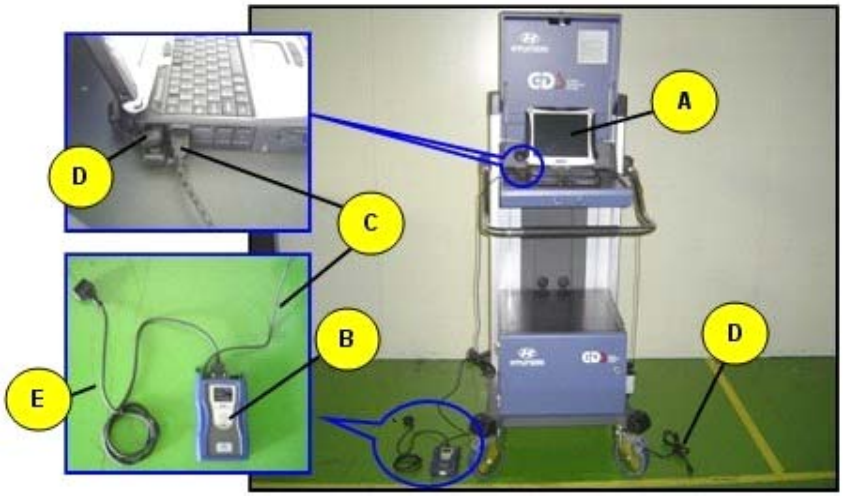
Make sure the vehicle's battery has reasonable charge. If the vehicle has been in storage for days, run the engine to ensure an adequate battery charge state for reliable update results.

1. **Turn off all lamps (Do not leave head lamp switch in auto mode.) and all accessories (including heater, A/C, blower, radio, seat warmer, defroster, etc.) not to allow the battery to be discharged during update.**
2. **Perform update with the ignition switch in the ON position.**
3. **Be careful not to disconnect any cables connected to the vehicle or scan tool during update.**
4. **Do not start the engine during update.**
5. **Do not turn off the ignition switch during update**.

CONTROL UNIT UPGRADE PROCEDURE

CONTROL UNIT UPDATE PROCEDURE USING THE GDS:

GDS INSTALLATION PROCEDURE



A: Diagnostic terminal / B: VCI (Vehicle Communication Interface) / C: USB (Universal Serial Bus) cable / D: Power supply cable / E: DLC cable

1. Connect the power supply cable to the diagnostic terminal.

NOTE: If attempting to perform the update with the power supply cable disconnected from the diagnostic terminal, make certain that the diagnostic terminal is charged enough for the update. If not, the update may fail in progress. Therefore, it is strongly recommended to connect the power supply cable to the diagnostic terminal during the update procedure.

2. Connect the USB cable between the VCI and the diagnostic terminal.

NOTE: When performing the update using the GDS, wireless communication between the VCI and the diagnostic terminal is NOT available. Therefore, be sure to connect the USB cable between the VCI and the diagnostic terminal.

3. Connect the 16-pin DLC cable from the VCI into the vehicle's 16-pin connector under the driver side instrument panel.

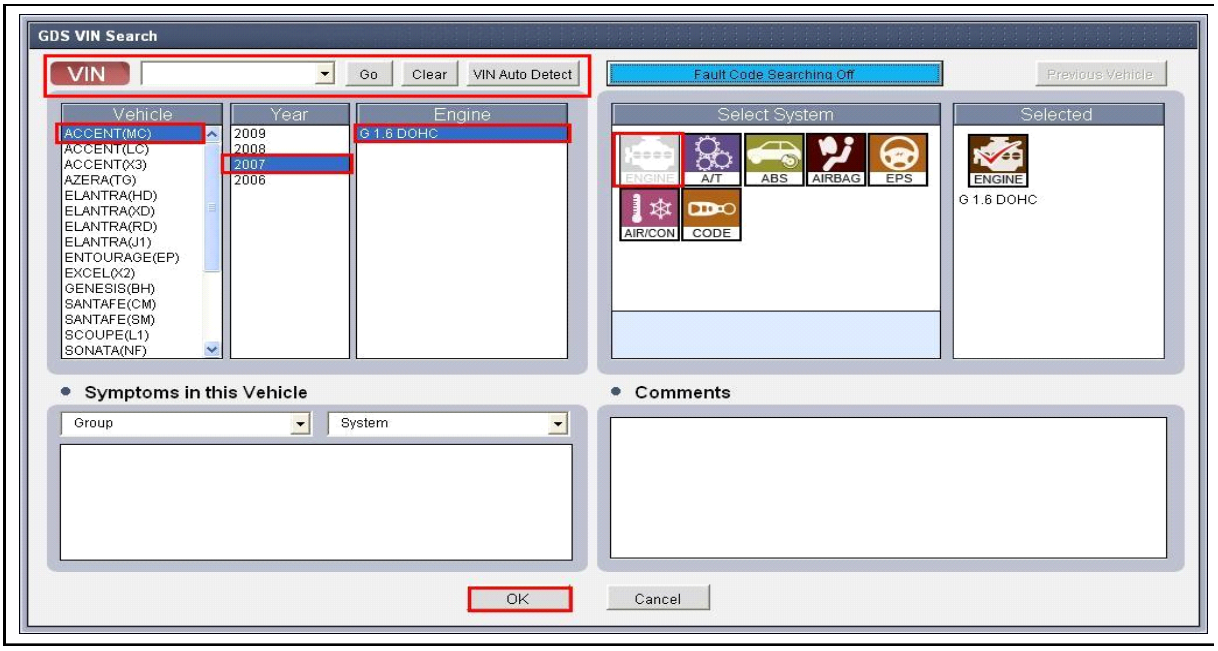
4. Turn on the VCI and diagnostic terminal with the ignition key in the ON position.

NOTE: Do not start the engine.

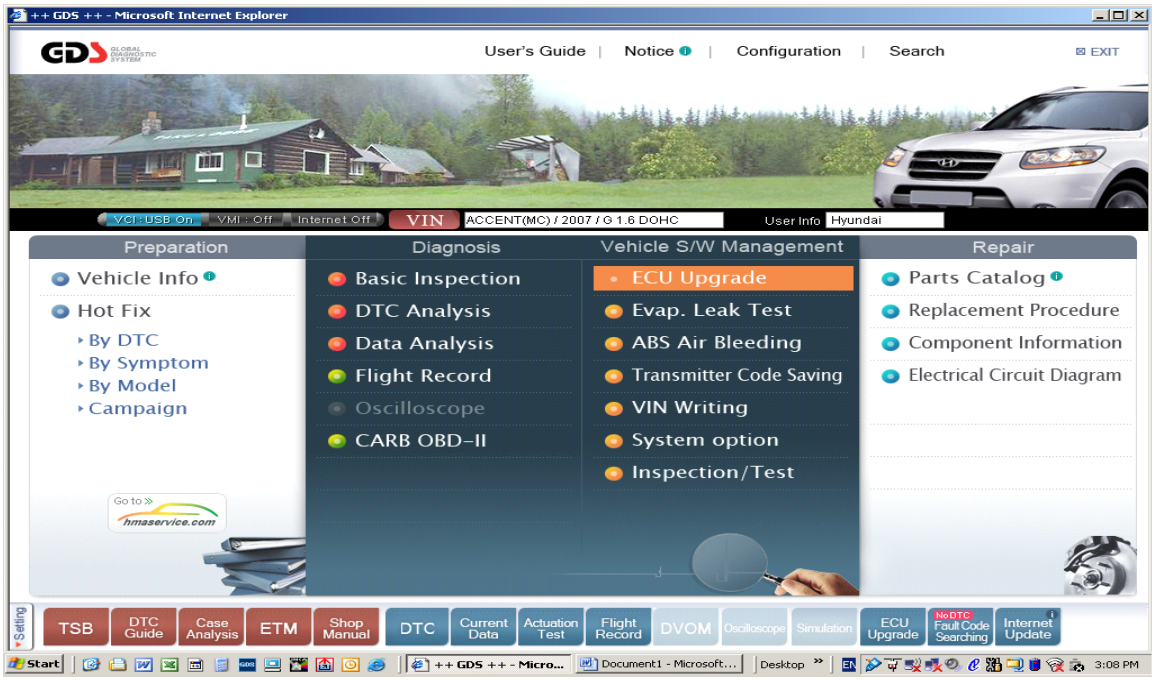
AUTOMATIC UPDATE PROCEDURE USING THE GDS:

1. Choose **VIN** or **ECU Upgrade** on the initial screen.

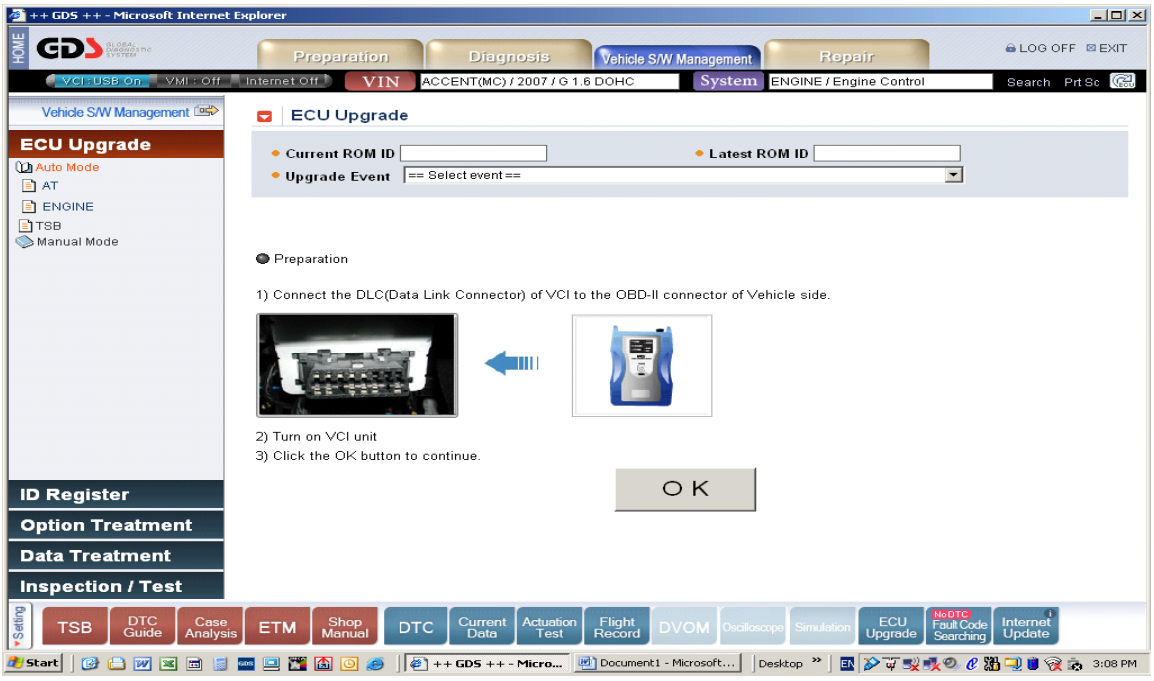
2. Enter the vehicle information by pressing the **VIN Auto** Detect button, entering the vehicle's VIN or selecting the vehicle model, model year, engine/fuel type and ENGINE as the system and then click **OK.**



3. Select **ECU Upgrade** on the initial screen after entering the vehicle information.

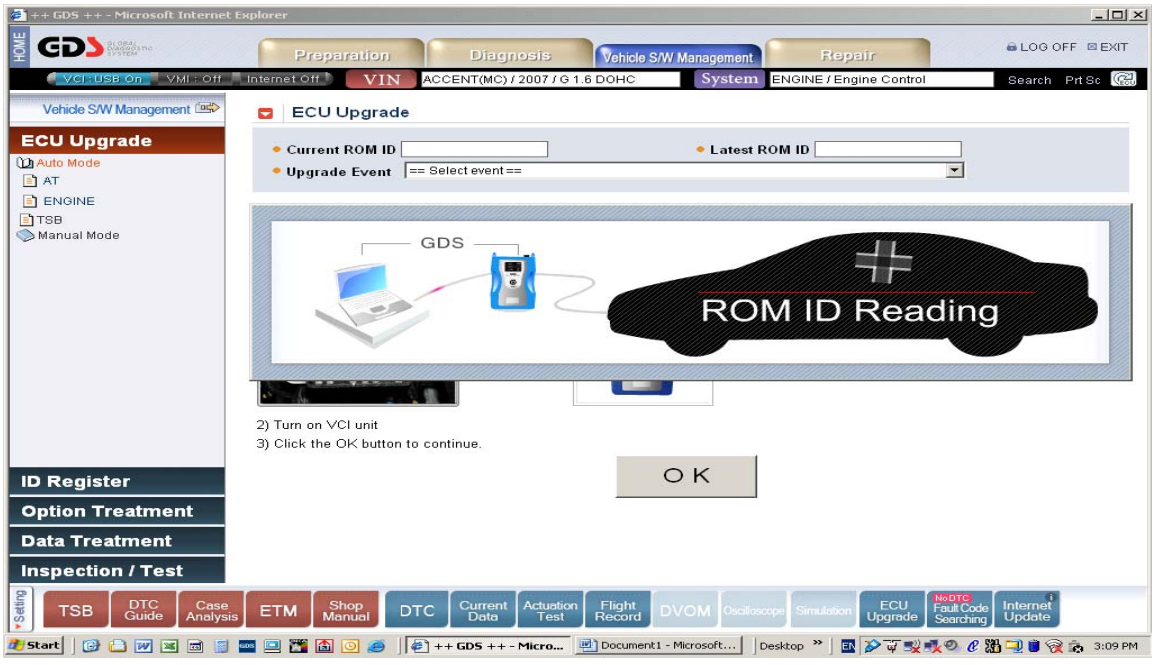


4. Select **Auto Mode** then **ENGINE** in the left **ECU Ugrade** column.

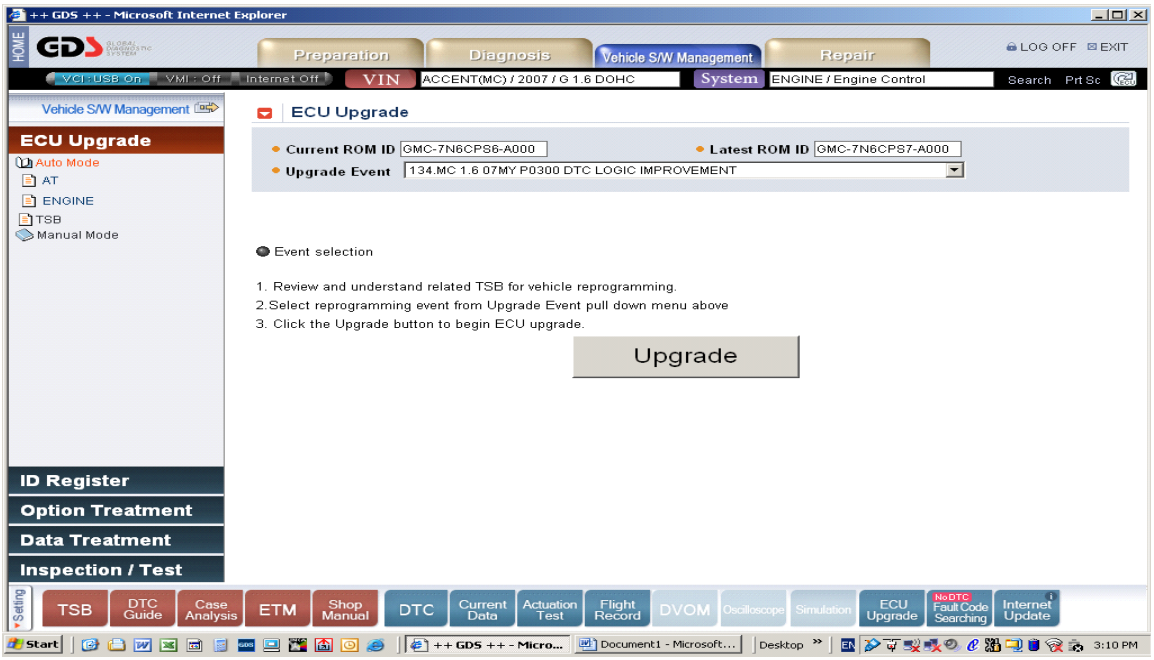


5. Read Preparation and click **OK.**

6. The GDS will read the vehicle's ROM ID.



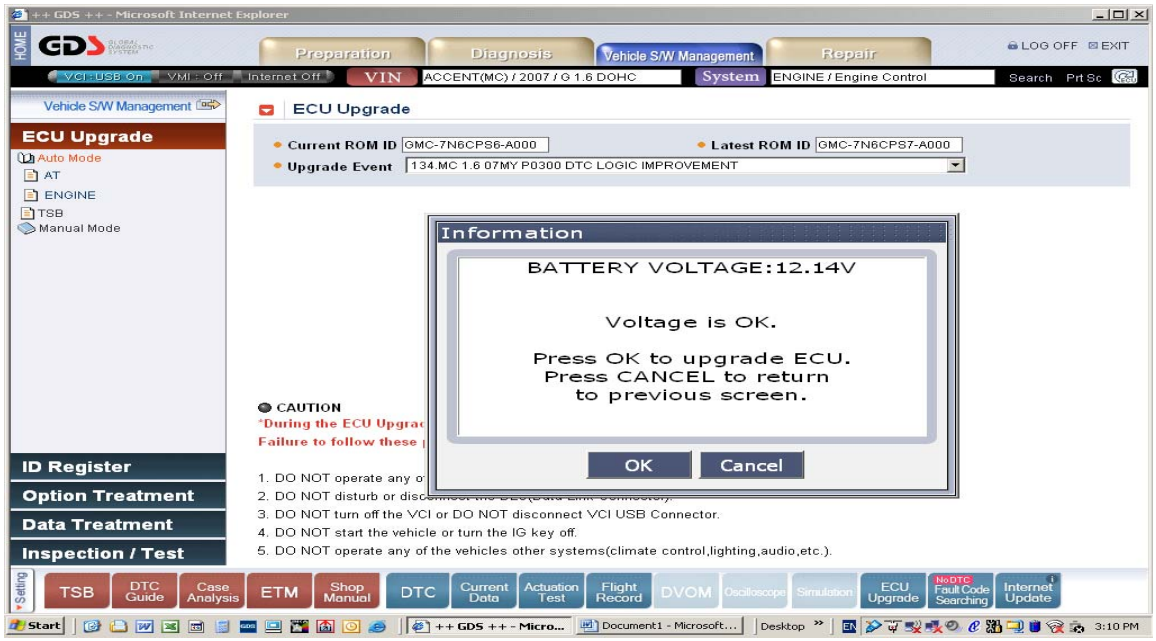
7. After the **Current ROM ID** is displayed, select the **Update Event,** "134. MC **1.6 07MY P0300 DTC LOGIC IMPROVEMENT."**



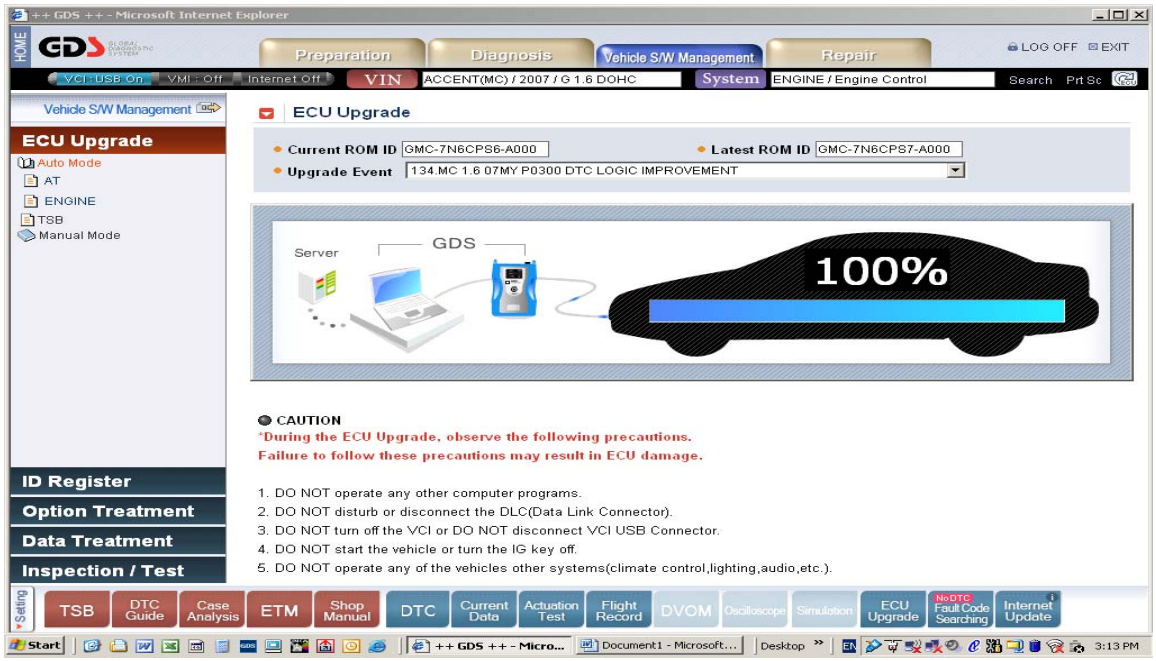
8. After clicking the **Upgrade button,** read Information then click **OK.**

9. The vehicle battery voltage is checked to make sure it is at least 12 volts to ensure reliable update results. Click **OK** if the results indicate **Voltage is OK**.

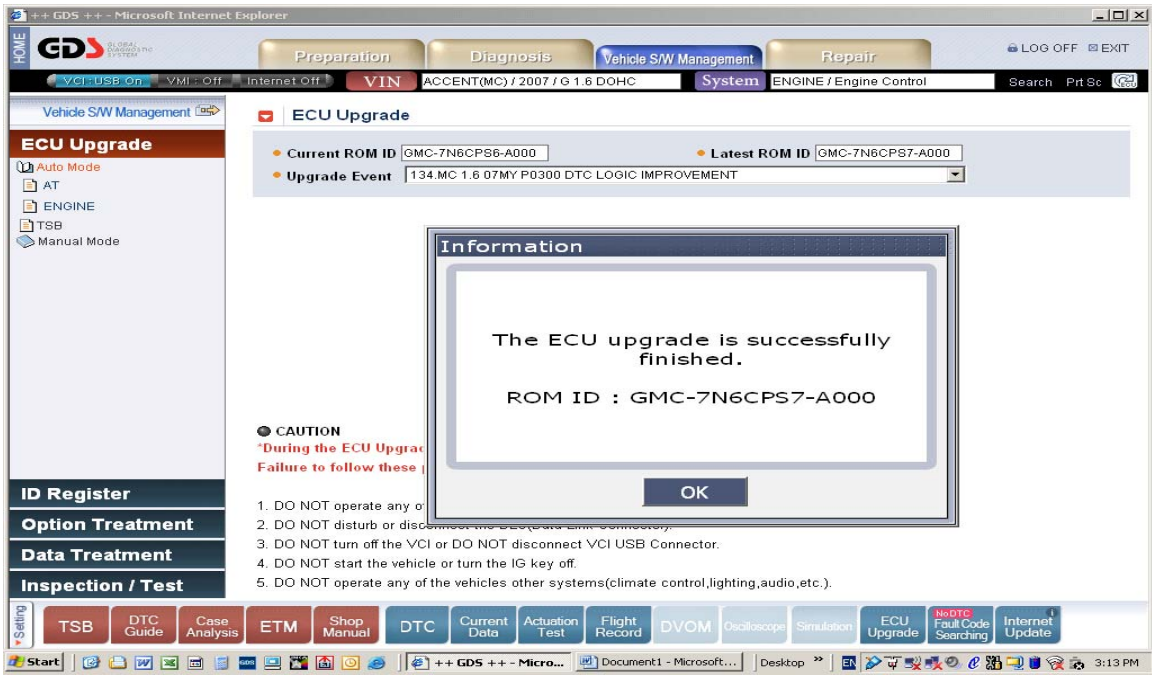
NOTE: If voltage is below 12 volts, click Cancel and then run the engine to ensure an adequate battery charge state for reliable update results.



10. Update will occur until 100% is reached on the bar graph.



11. Click **OK** on the final screen, which indicates update is complete.



12. Check if any incidental Diagnostic Trouble Codes (DTC) have been created by the update and clear the DTC(s) present.

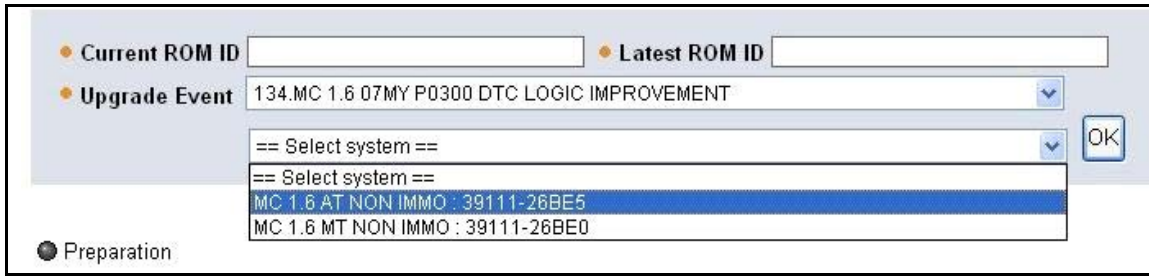
13. Start the engine to confirm proper operation of the vehicle.

MANUAL UPDATE PROCEDURE USING THE GDS:

CAUTION:

- **Manual update should be performed only when automatic update fails.**
- **If automatic update fails, turn the ignition key OFF for about 10 seconds, place it back in the ON position to reset the control unit before performing manual update.**

1. Within the **ECU Upgrade** screen, select **Manual Mode** in the left column, then select **Update Event #134.** Select the appropriate control unit part number with reference to the ROM ID Information Table and click **OK.**



2. Enter the appropriate password from the below table then click **OK.**

MENU	PASSWORD
MC 1.6 AT NON IMMO: 39111-26BE5	1265
MC 1.6 MT NON IMMO: 39111-26BE0	1260

3. The vehicle battery voltage is checked to make sure it is at least 12 volts to ensure reliable update results. Click **OK** if the results indicate **Voltage is OK.**

NOTE: - If voltage is below 12 volts, click Cancel and then run the engine to ensure an adequate battery charge state for reliable update results.

4. Update will begin and the progress of the update will appear on the bar graph.

5. Update will occur until 100% is reached on the bar graph. Turn the ignition key OFF for 10 seconds, place it back in the ON position and then click **OK** to continue according to **Information** displayed on the screen.

6. Click **OK** on the final screen, which indicates update is complete.

7. Check if any incidental Diagnostic Trouble Codes (DTC) have been created by the updrade and clear the DTC (s) present.

8. Start the engine to confirm proper operation of the vehicle.

OPERATION CODE AND TIME:

OP CODE	OP NAME	OP TIME
80B041R0	ECM UPGRADE (DEALER)	0.2M/H